

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112921\
 Data File : VN069672.D
 Acq On : 29 Nov 2021 18:43
 Operator : JC/MD
 Sample : M4852-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 30 04:19:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

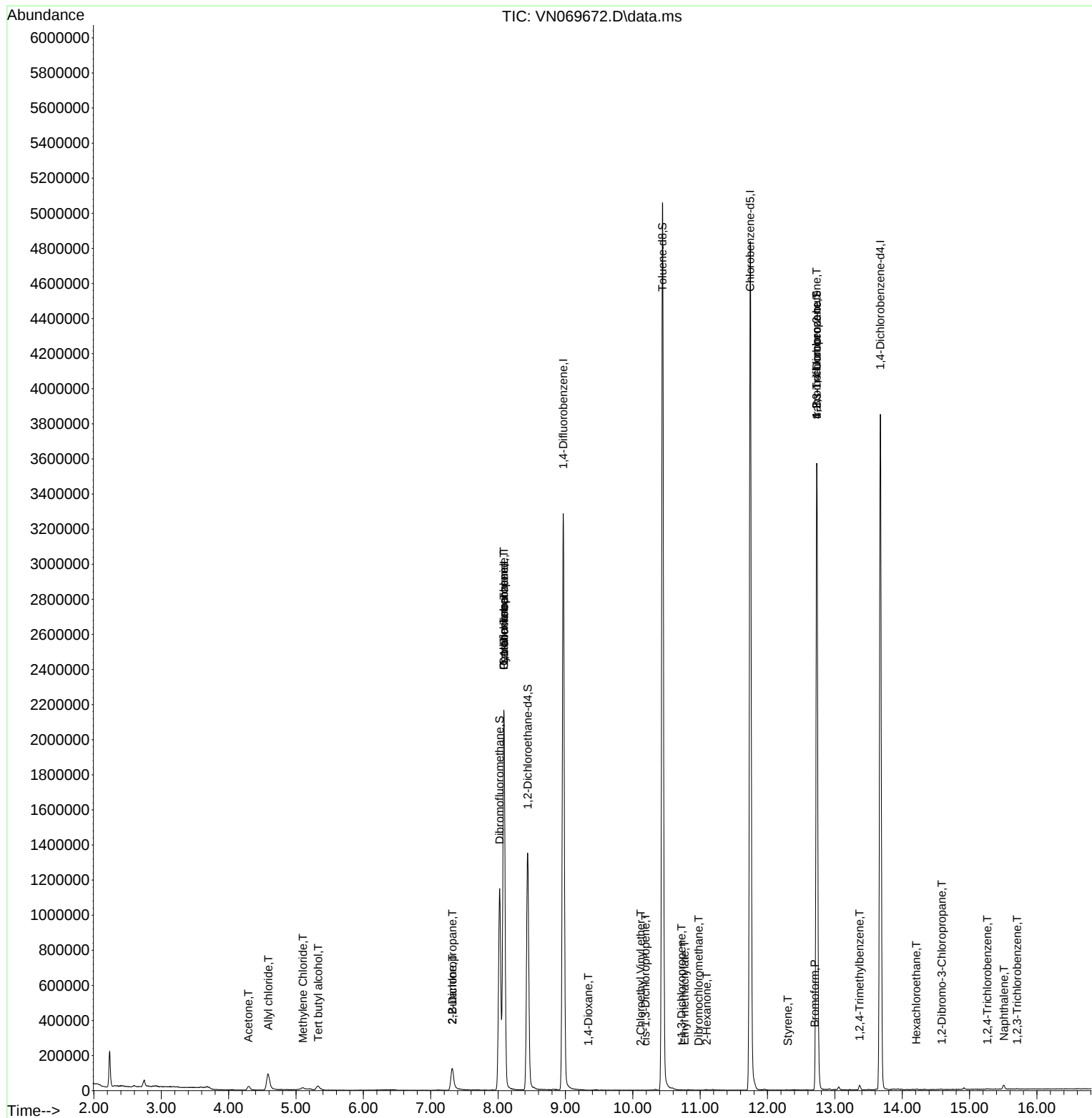
Internal Standards						
1) Pentafluorobenzene	8.088	168	1602304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2780393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2763858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1041938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1185660	51.034	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	102.060%	
35) Dibromofluoromethane	8.024	113	824040	49.416	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	98.840%	
50) Toluene-d8	10.440	98	3521350	53.692	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	107.380%	
62) 4-Bromofluorobenzene	12.731	95	1260510	52.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	104.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.331	59	27187	6.494	ug/l #	73
13) Acrolein	4.049	56	1413	Below Cal	#	76
14) Allyl chloride	4.588	41	13027	0.454	ug/l #	47
16) Acetone	4.293	43	39370	3.141	ug/l	93
20) Methylene Chloride	5.103	84	5792	0.326	ug/l #	87
25) 2-Butanone	7.324	43	10102	0.595	ug/l #	72
26) 2,2-Dichloropropane	7.321	77	8632	0.350	ug/l #	52
31) Cyclohexane	8.088	56	41499	1.307	ug/l #	32
36) 1,1-Dichloropropene	8.086	75	135444	5.789	ug/l #	50
38) Carbon Tetrachloride	8.086	117	167260	7.405	ug/l #	15
49) 1,4-Dioxane	9.341	88	49	39.158	ug/l #	1
53) t-1,3-Dichloropropene	10.725	75	170	2.643	ug/l #	43
54) cis-1,3-Dichloropropene	10.188	75	85	1.735	ug/l #	35
56) Ethyl methacrylate	10.770	69	216	2.059	ug/l #	3
58) 2-Chloroethyl Vinyl ether	10.119	63	27	22.773	ug/l #	45
59) 2-Hexanone	11.097	43	2040	8.013	ug/l	98
60) Dibromochloromethane	10.979	129	24	2.419	ug/l #	11
70) Styrene	12.302	104	347	1.526	ug/l #	46
71) Bromoform	12.701	173	43	3.430	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	707324	29.416	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	707324	83.214	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	16097	0.249	ug/l	97
90) Hexachloroethane	14.209	117	86	2.169	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.587	75	25	1.802	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.263	180	1308	3.188	ug/l	95
95) Naphthalene	15.512	128	21807	4.881	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	329	3.189	ug/l #	1

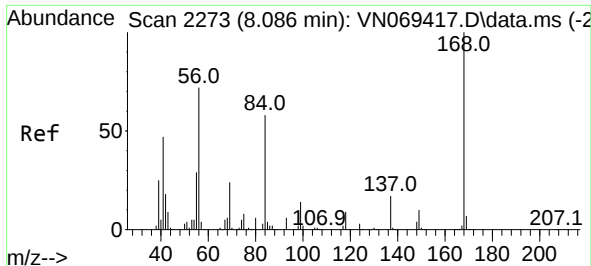
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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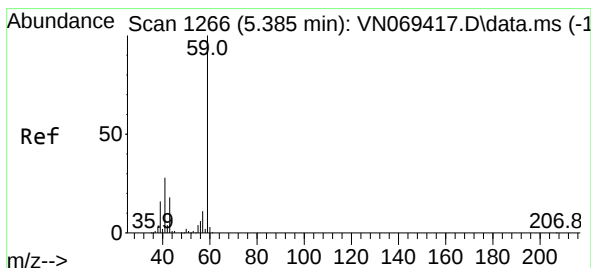
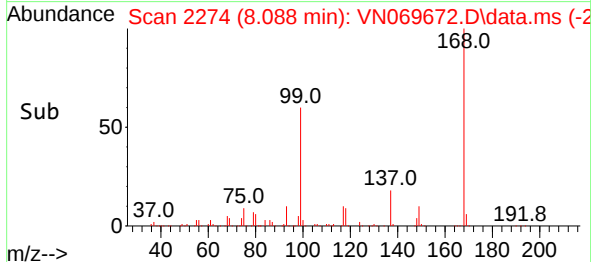
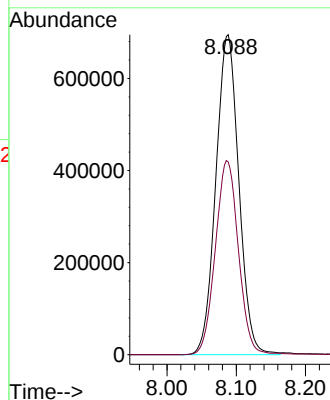
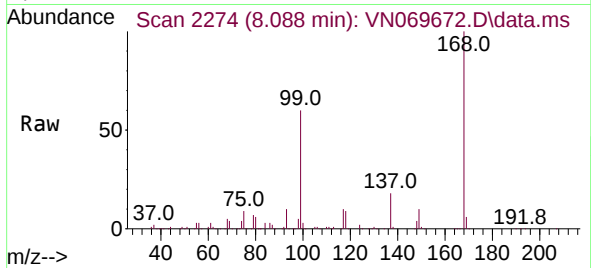




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

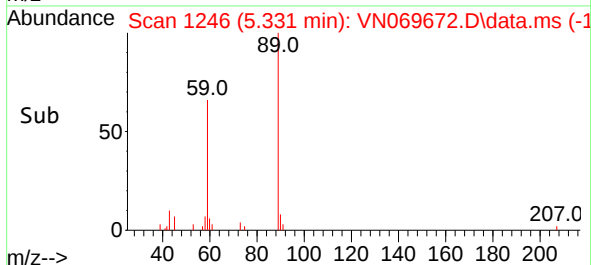
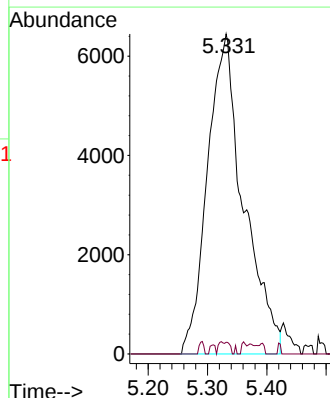
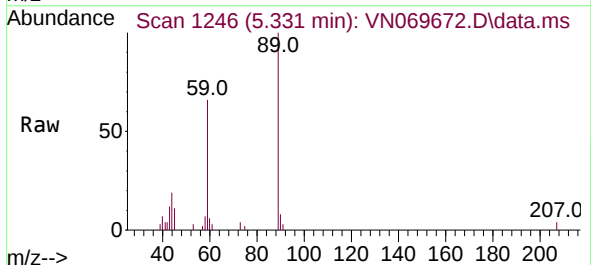
Instrument :
MSVOA_N
ClientSampleId :

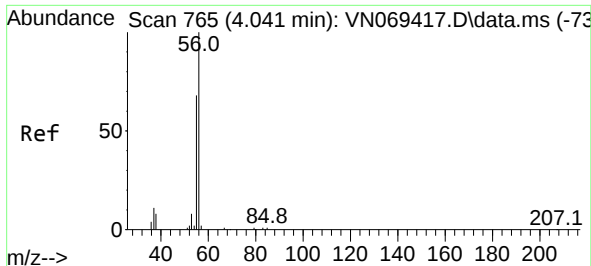
Tgt Ion:168 Resp: 1602304
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 6.494 ug/l
RT: 5.331 min Scan# 1246
Delta R.T. -0.054 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Tgt Ion: 59 Resp: 27187
Ion Ratio Lower Upper
59 100
57 0.6 8.7 13.1#





#13

Acrolein

Concen: Below Cal

RT: 4.049 min Scan# 7

Delta R.T. 0.008 min

Lab File: VN069672.D

Acq: 29 Nov 2021 18:43

Instrument :

MSVOA_N

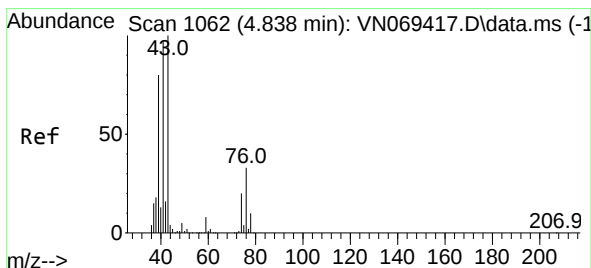
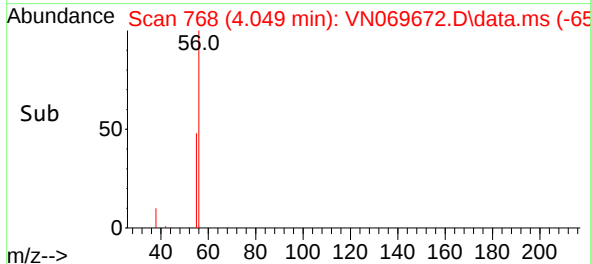
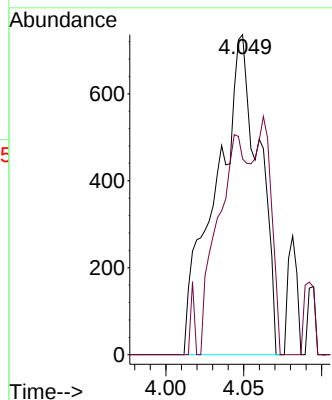
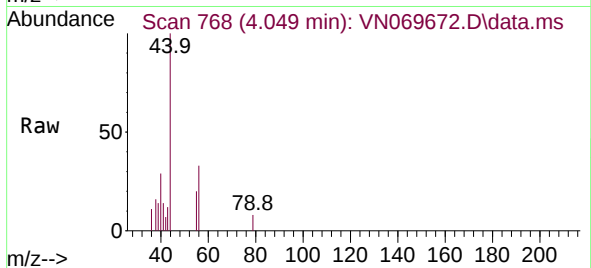
ClientSampleId :

Tgt Ion: 56 Resp: 1413

Ion Ratio Lower Upper

56 100

55 51.0 56.6 85.0#



#14

Allyl chloride

Concen: 0.454 ug/l

RT: 4.588 min Scan# 969

Delta R.T. -0.250 min

Lab File: VN069672.D

Acq: 29 Nov 2021 18:43

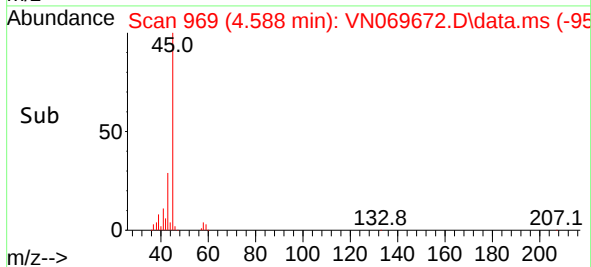
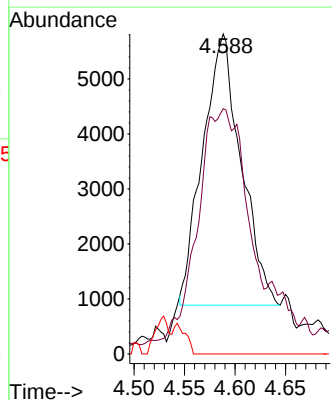
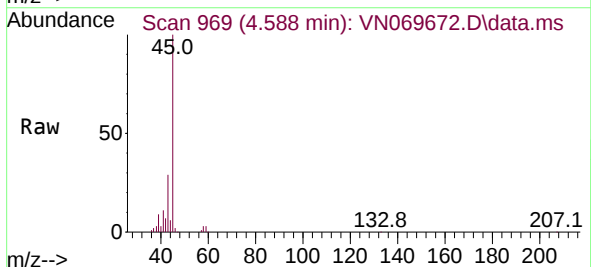
Tgt Ion: 41 Resp: 13027

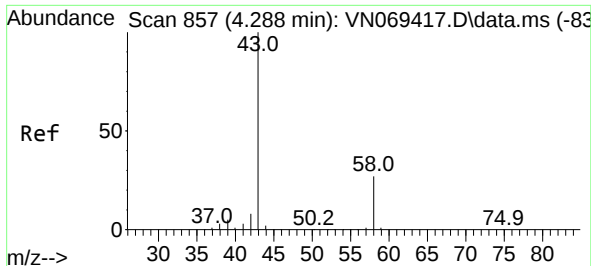
Ion Ratio Lower Upper

41 100

39 32.3 61.2 91.8#

76 0.0 26.0 39.0#

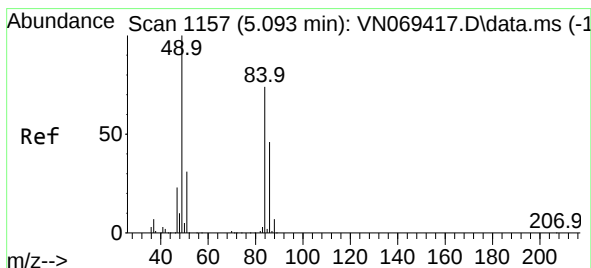
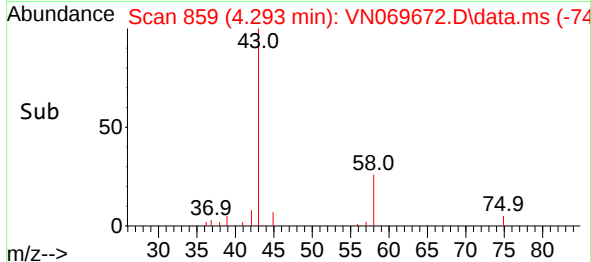
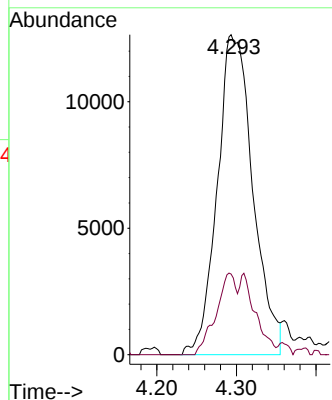
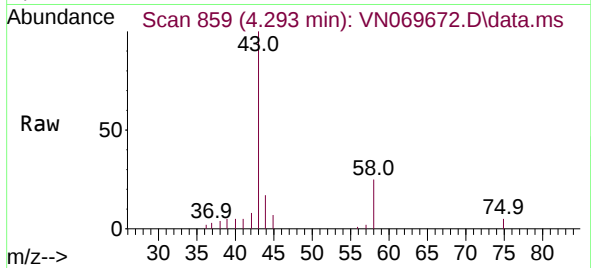




#16
Acetone
Concen: 3.141 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

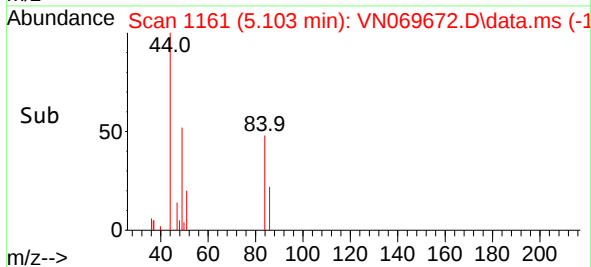
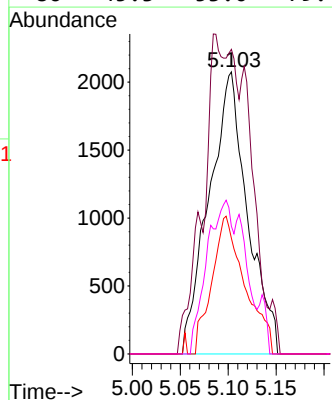
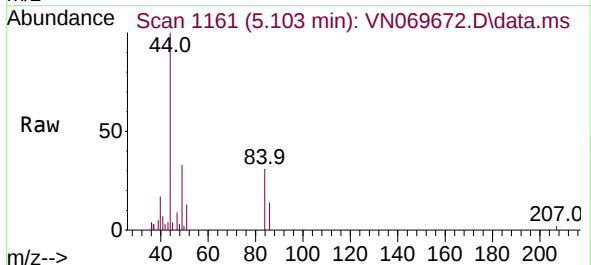
Instrument :
MSVOA_N
ClientSampleId :

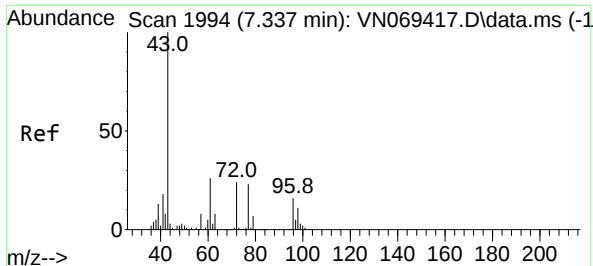
Tgt Ion: 43 Resp: 39370
Ion Ratio Lower Upper
43 100
58 25.2 23.1 34.7



#20
Methylene Chloride
Concen: 0.326 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.010 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Tgt Ion: 84 Resp: 5792
Ion Ratio Lower Upper
84 100
49 108.0 93.5 140.3
51 41.0 29.4 44.2
86 45.3 53.0 79.4#





#25

2-Butanone

Concen: 0.595 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.013 min

Lab File: VN069672.D

Acq: 29 Nov 2021 18:43

Instrument :

MSVOA_N

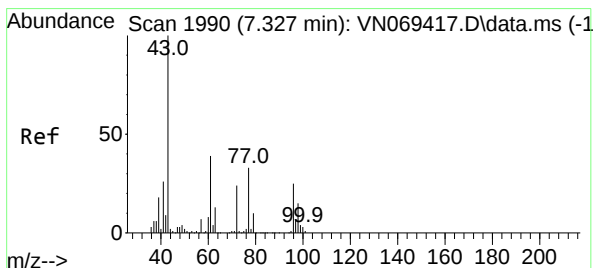
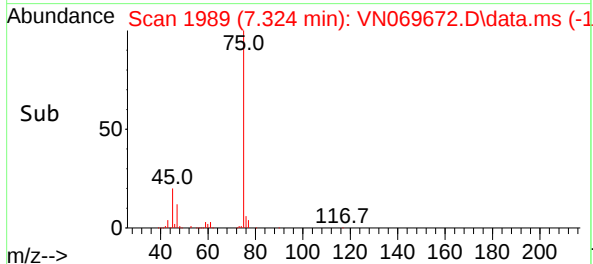
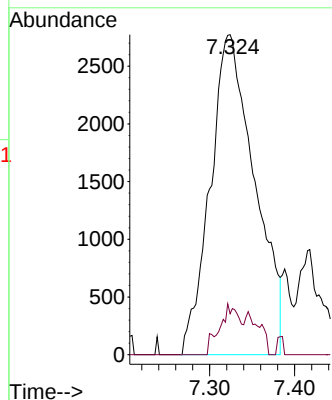
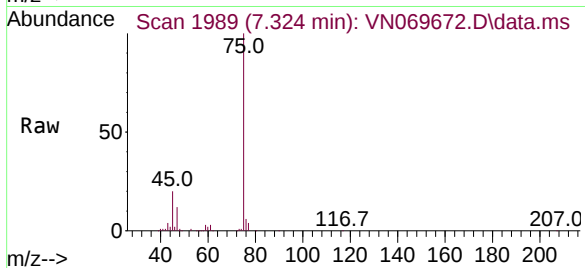
ClientSampleId :

Tgt Ion: 43 Resp: 10102

Ion Ratio Lower Upper

43 100

72 12.8 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 0.350 ug/l

RT: 7.321 min Scan# 1988

Delta R.T. -0.006 min

Lab File: VN069672.D

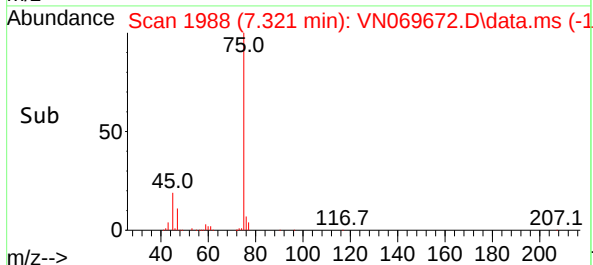
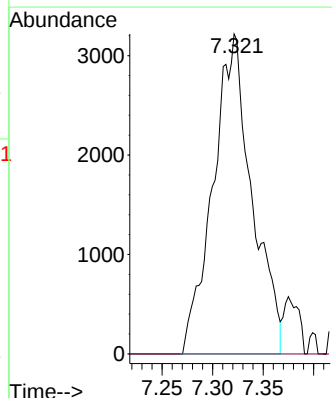
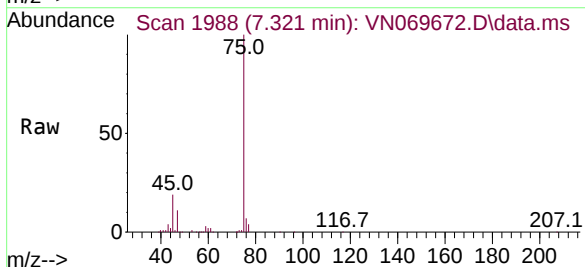
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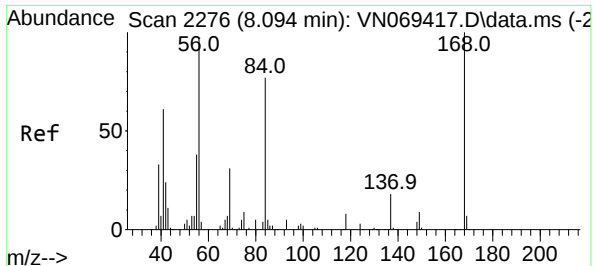
Tgt Ion: 77 Resp: 8632

Ion Ratio Lower Upper

77 100

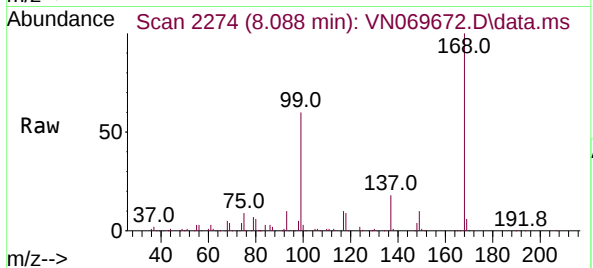
97 0.0 11.6 34.8#



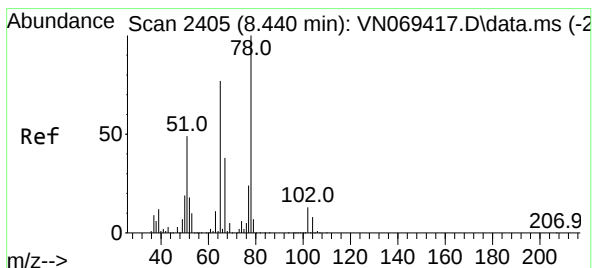
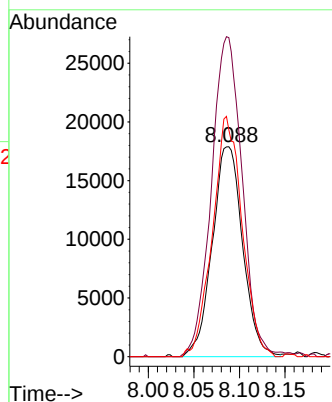
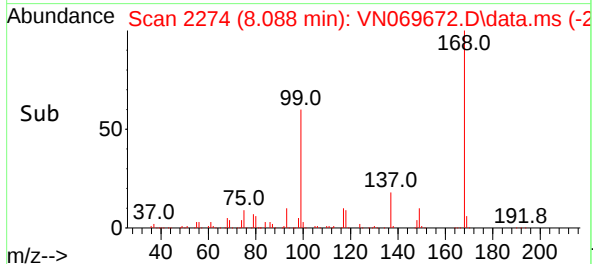


#31
Cyclohexane
Concen: 1.307 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Instrument :
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ClientSampleId :

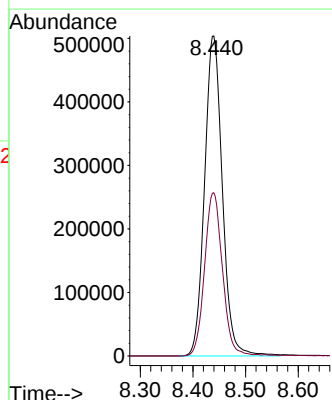
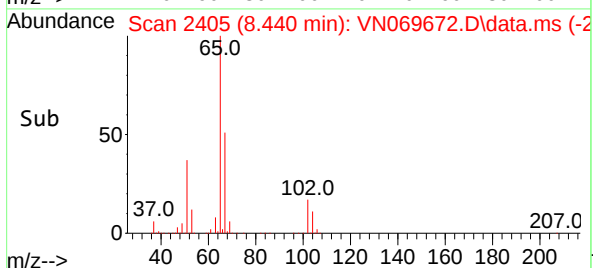
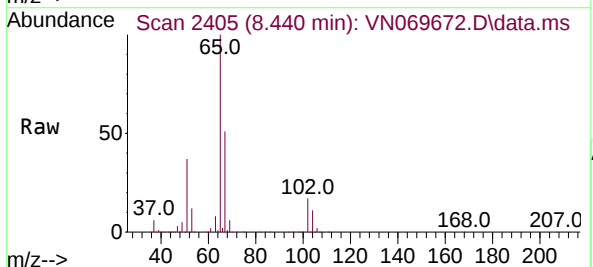


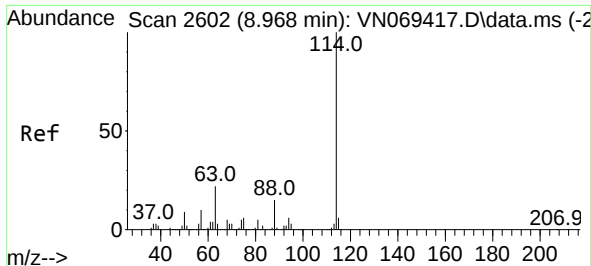
Tgt Ion: 56 Resp: 41499
Ion Ratio Lower Upper
56 100
69 152.0 27.1 40.7#
84 108.1 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.034 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

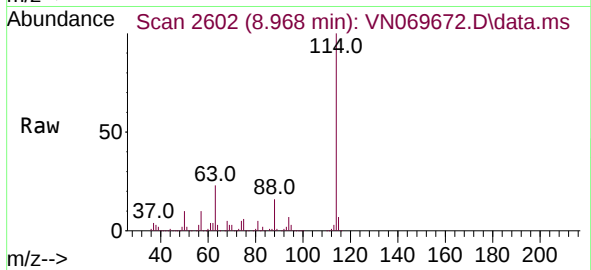
Tgt Ion: 65 Resp: 1185660
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



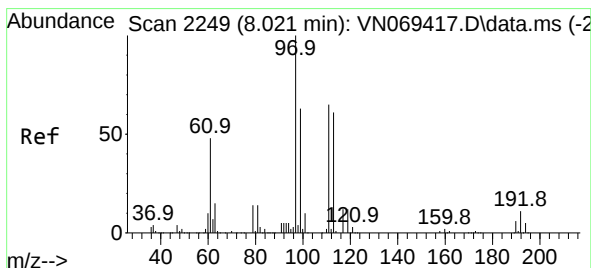
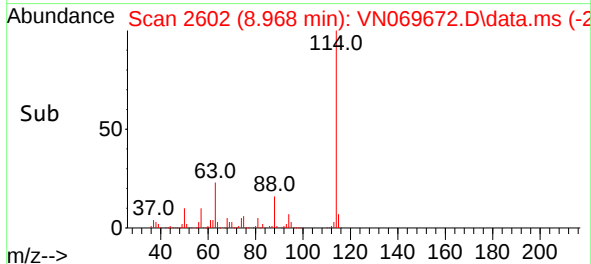
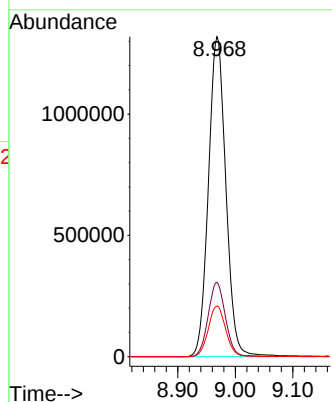


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

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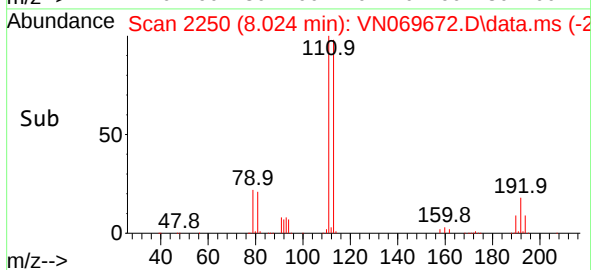
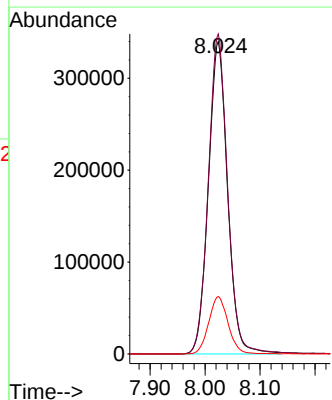
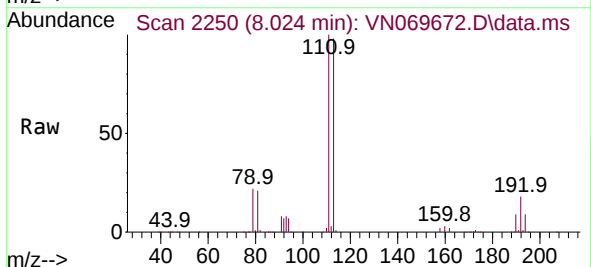


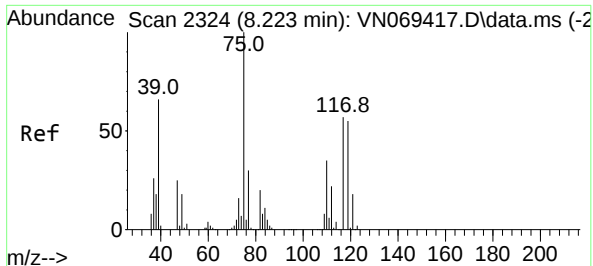
Tgt Ion:114 Resp: 2780393
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.416 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

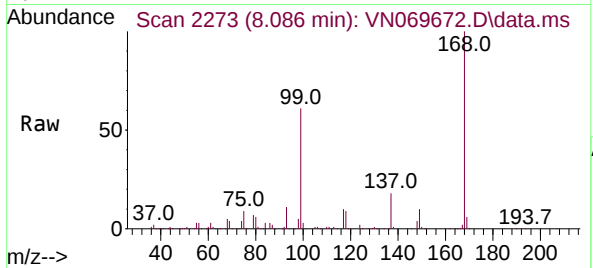
Tgt Ion:113 Resp: 824040
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.6 16.9 25.3



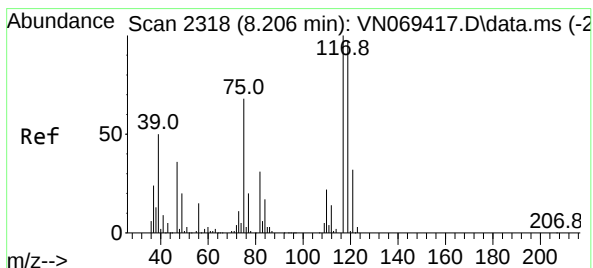
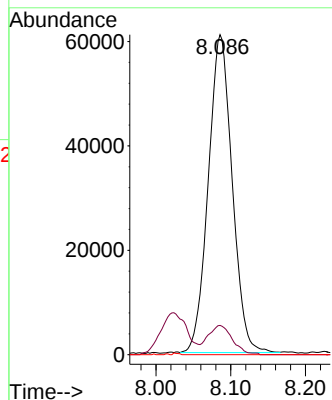
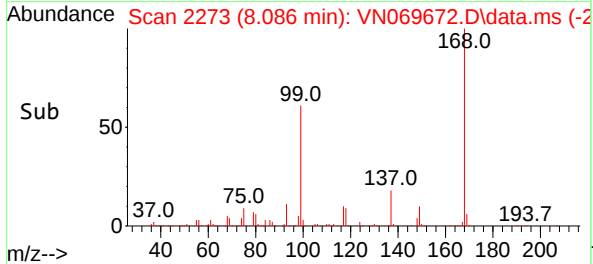


#36
 1,1-Dichloropropene
 Concen: 5.789 ug/l
 RT: 8.086 min Scan# 211
 Delta R.T. -0.137 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43

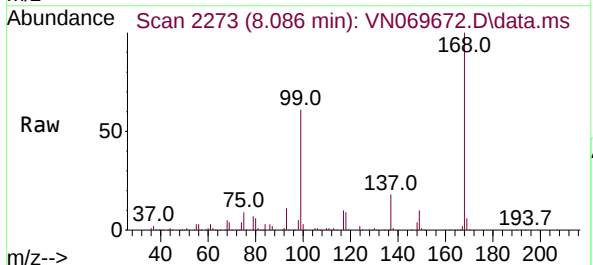
Instrument :
 MSVOA_N
 ClientSampleId :



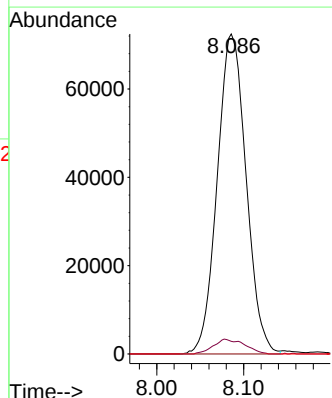
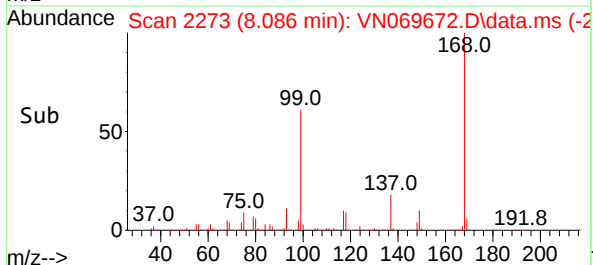
Tgt Ion: 75 Resp: 135444
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.4 55.2#
 77 0.0 24.4 36.6#

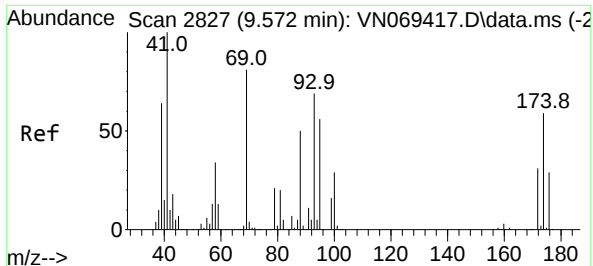


#38
 Carbon Tetrachloride
 Concen: 7.405 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43



Tgt Ion: 117 Resp: 167260
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.158 ug/l

RT: 9.341 min Scan# 21

Delta R.T. -0.231 min

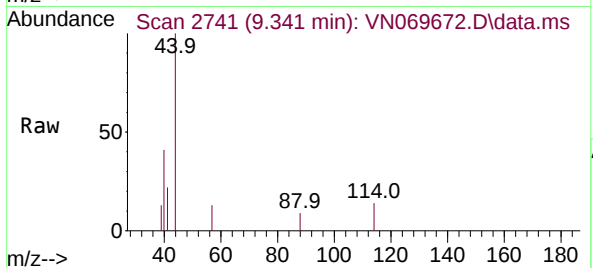
Lab File: VN069672.D

Acq: 29 Nov 2021 18:43

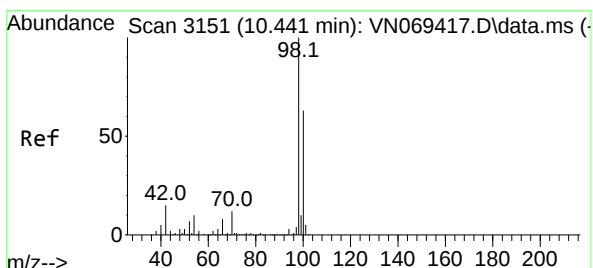
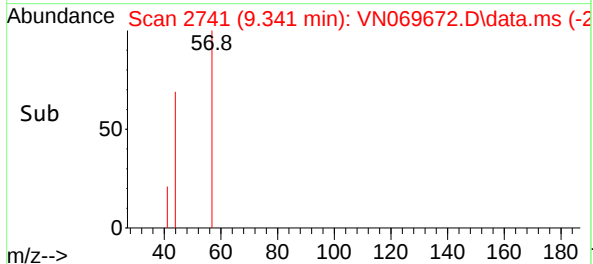
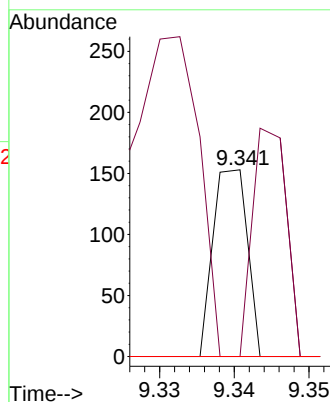
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	88	Resp:	49
Ion	Ratio	Lower	Upper
88	100		
43	120.4	23.4	35.2#
58	0.0	50.6	75.8#



#50

Toluene-d8

Concen: 53.692 ug/l

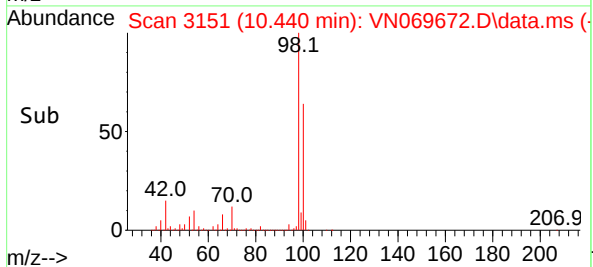
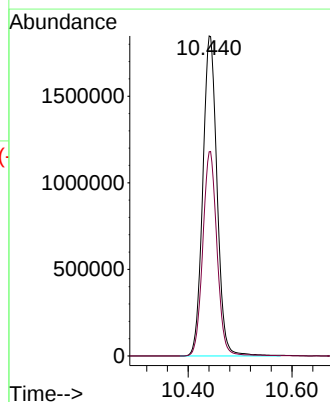
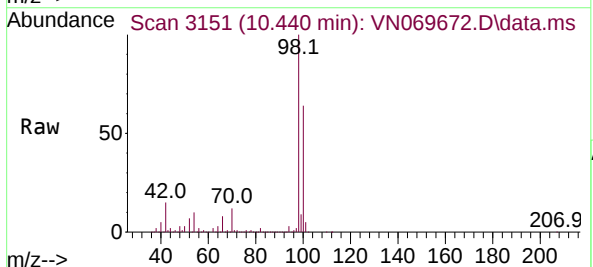
RT: 10.440 min Scan# 3151

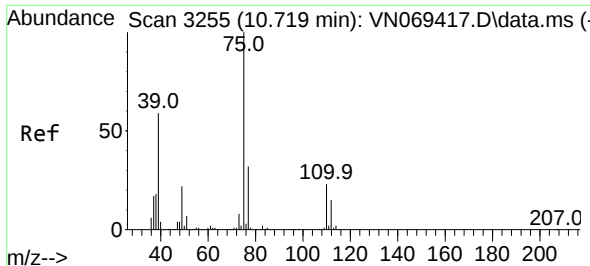
Delta R.T. -0.001 min

Lab File: VN069672.D

Acq: 29 Nov 2021 18:43

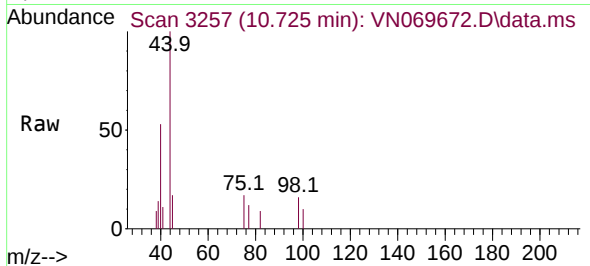
Tgt Ion:	98	Resp:	3521350
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.4	75.6



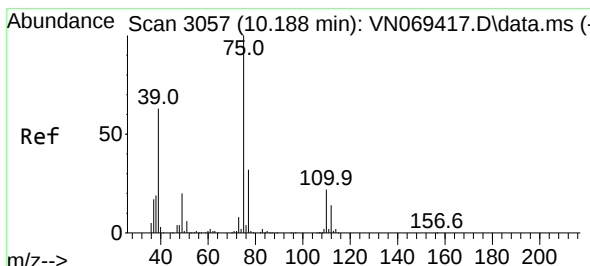
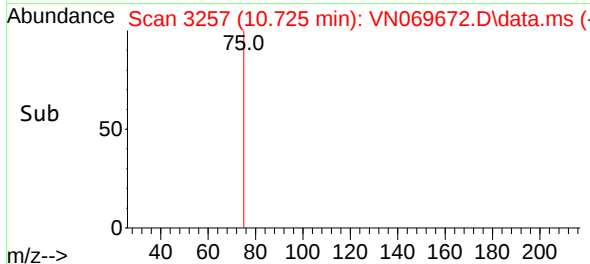
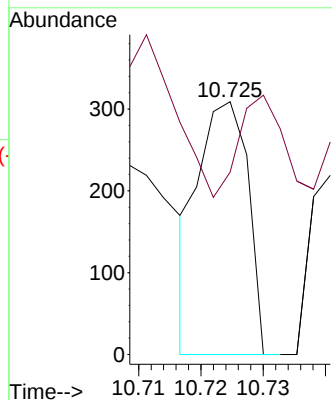


#53
 t-1,3-Dichloropropene
 Concen: 2.643 ug/l
 RT: 10.725 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43

Instrument :
 MSVOA_N
 ClientSampleId :

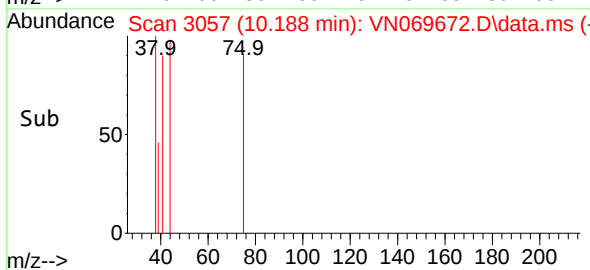
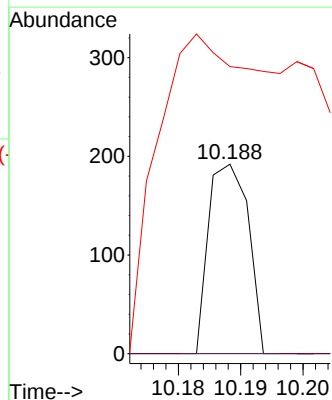
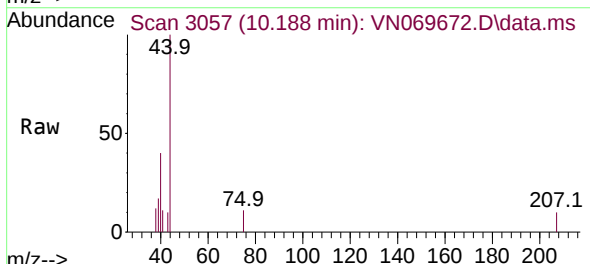


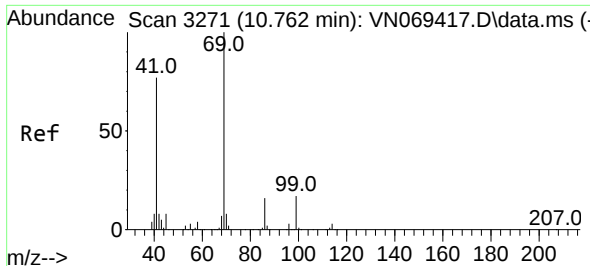
Tgt Ion: 75 Resp: 170
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 1.735 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. 0.000 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43

Tgt Ion: 75 Resp: 85
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 3.6 42.5 63.7#

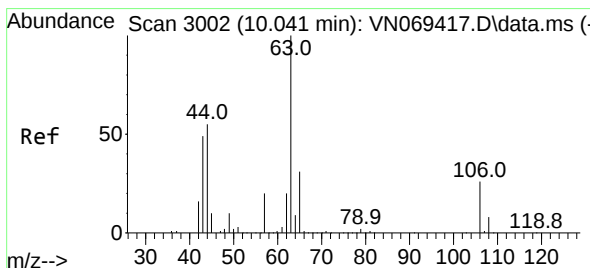
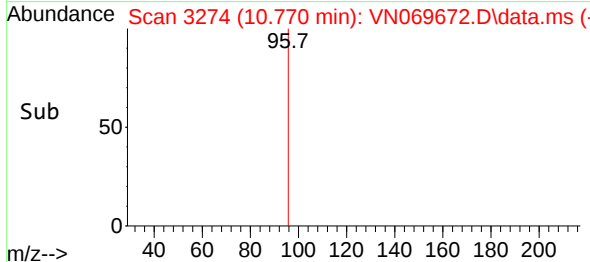
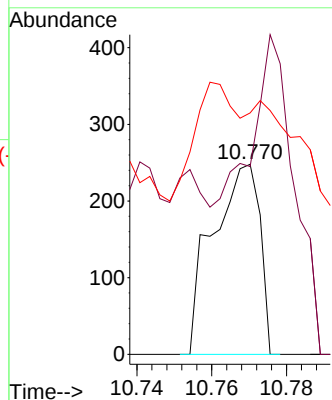
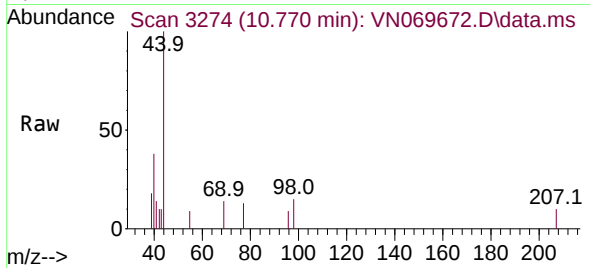




#56
Ethyl methacrylate
Concen: 2.059 ug/l
RT: 10.770 min Scan# 3031
Delta R.T. 0.008 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

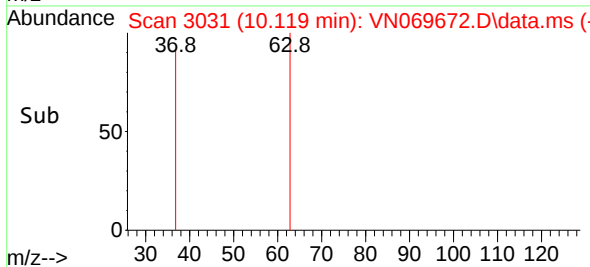
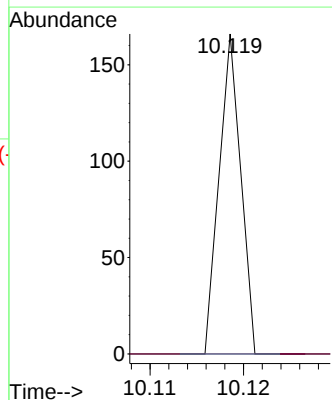
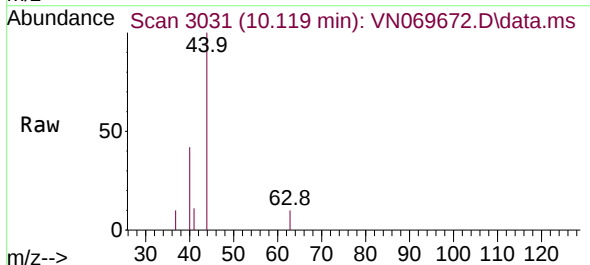
Instrument :
MSVOA_N
ClientSampleId :

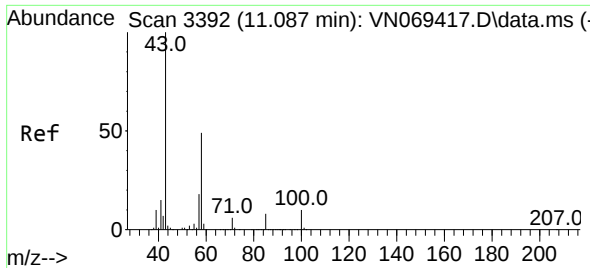
Tgt Ion: 69 Resp: 216
Ion Ratio Lower Upper
69 100
41 180.6 51.4 77.0#
39 56.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.773 ug/l
RT: 10.119 min Scan# 3031
Delta R.T. 0.078 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

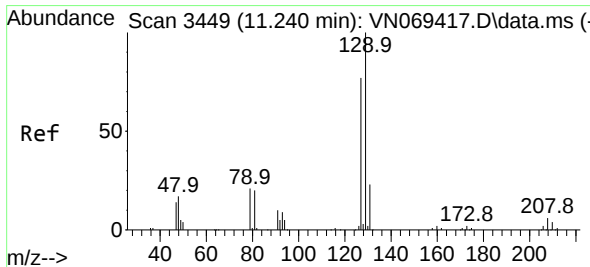
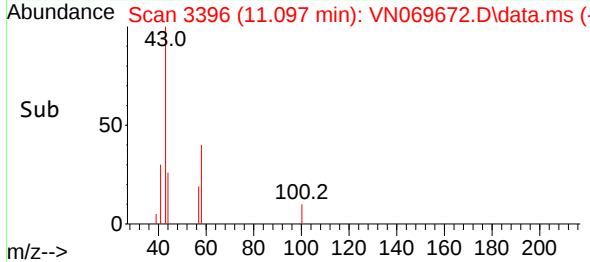
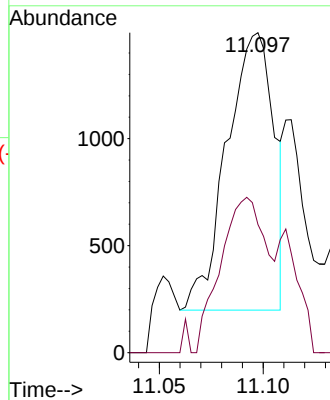
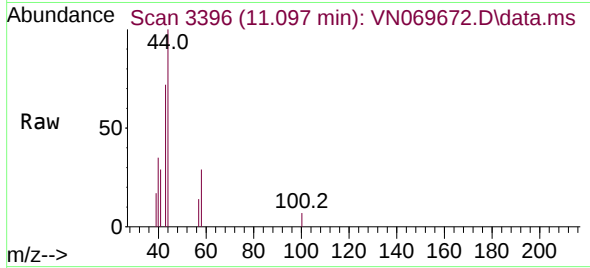




#59
2-Hexanone
Concen: 8.013 ug/l
RT: 11.097 min Scan# 31
Delta R.T. 0.010 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

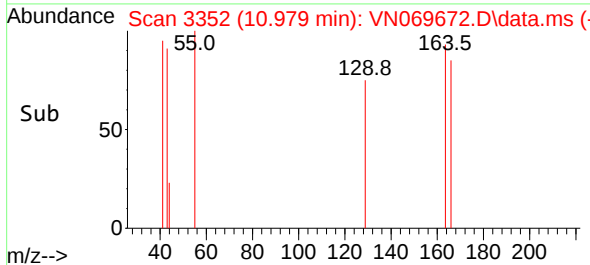
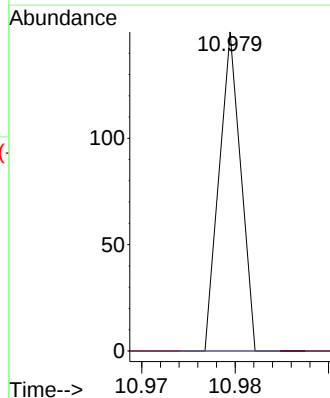
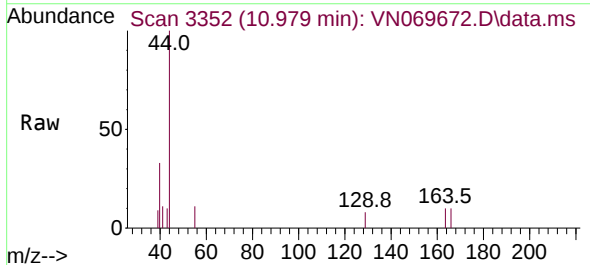
Instrument :
MSVOA_N
ClientSampleId :

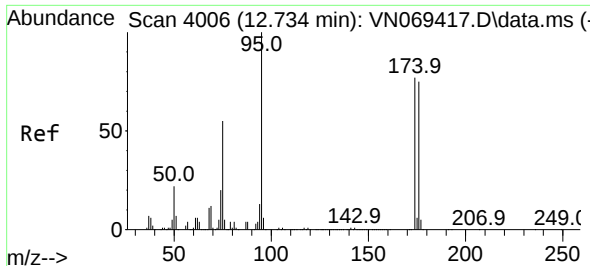
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
58 55.1 26.9 80.7



#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

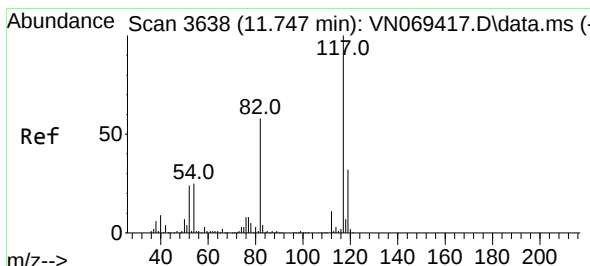
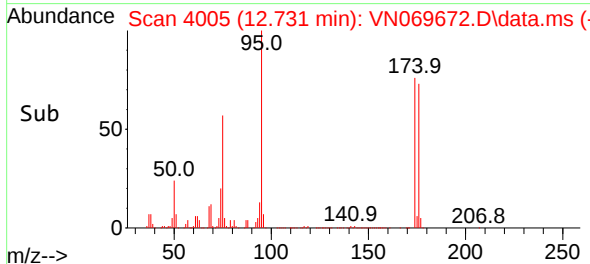
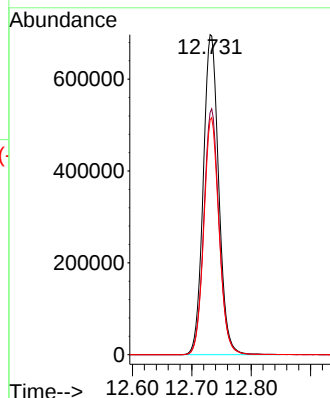
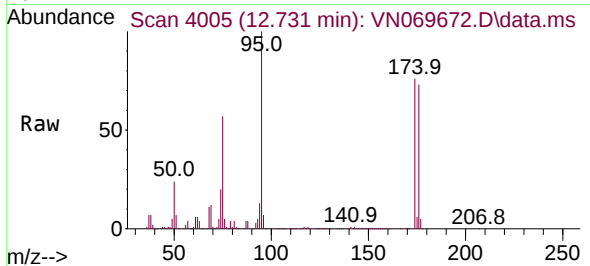




#62
4-Bromofluorobenzene
Concen: 52.318 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

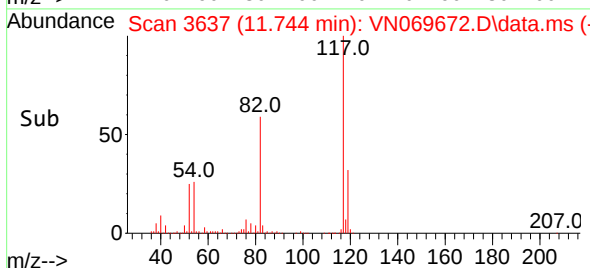
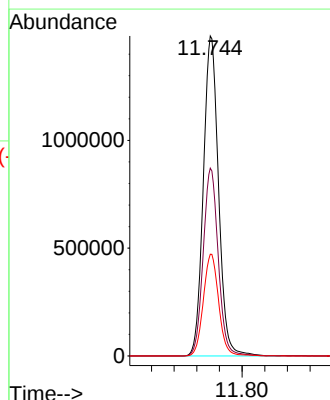
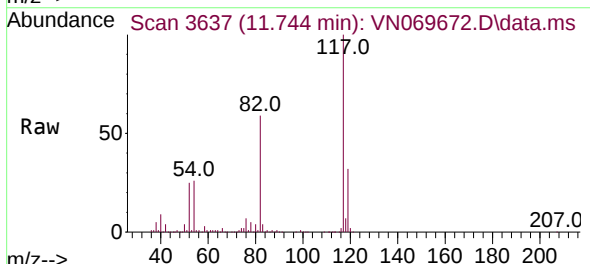
Instrument :
MSVOA_N
ClientSampleId :

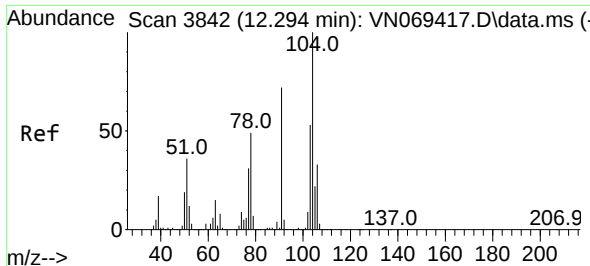
Tgt Ion: 95 Resp: 1260510
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

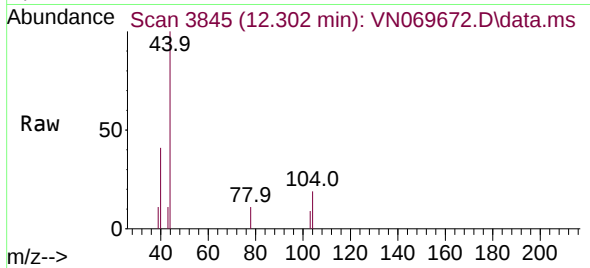
Tgt Ion: 117 Resp: 2763858
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.8 25.4 38.2



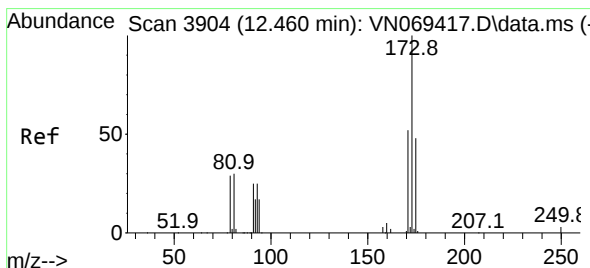
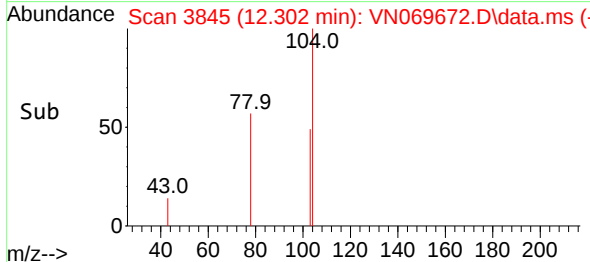
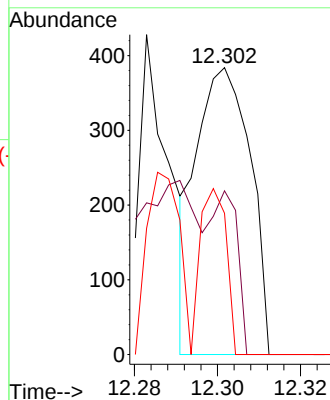


#70
Styrene
Concen: 1.526 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.008 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Instrument :
MSVOA_N
ClientSampleId :

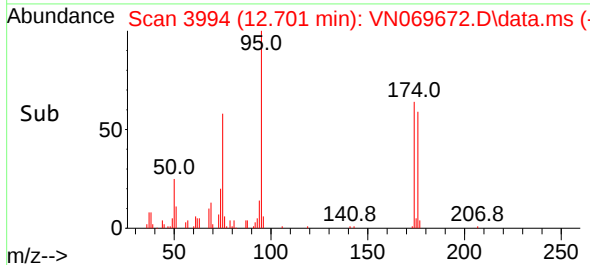
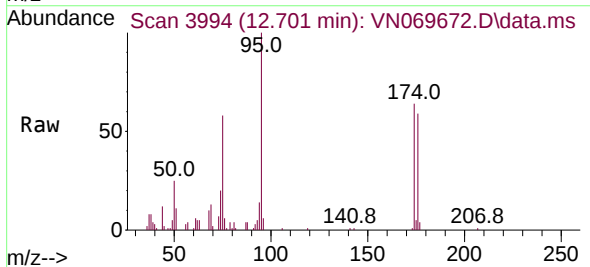
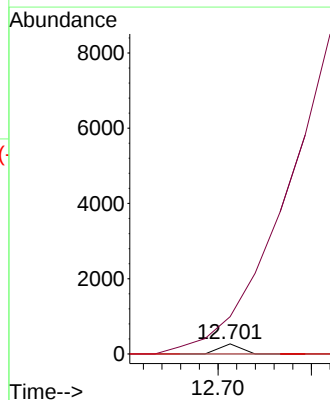


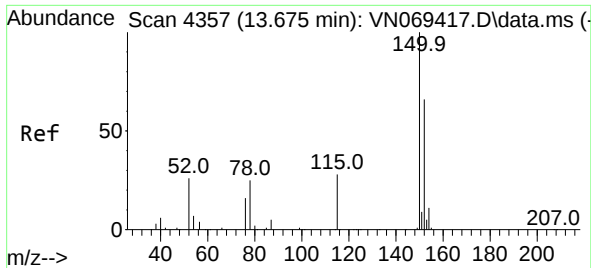
Tgt Ion:104 Resp: 347
Ion Ratio Lower Upper
104 100
78 0.0 38.7 58.1#
103 28.0 45.0 67.6#



#71
Bromoform
Concen: 3.430 ug/l
RT: 12.701 min Scan# 3994
Delta R.T. 0.241 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

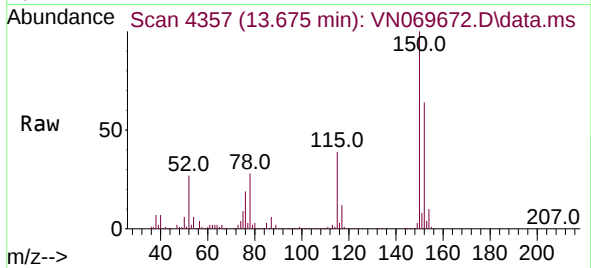
Tgt Ion:173 Resp: 43
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0





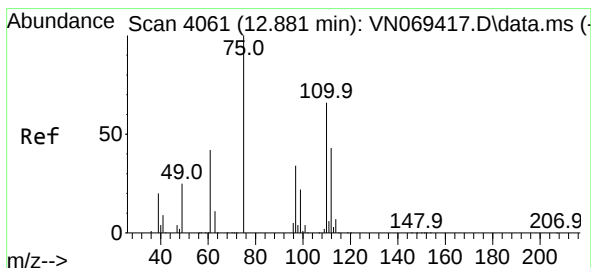
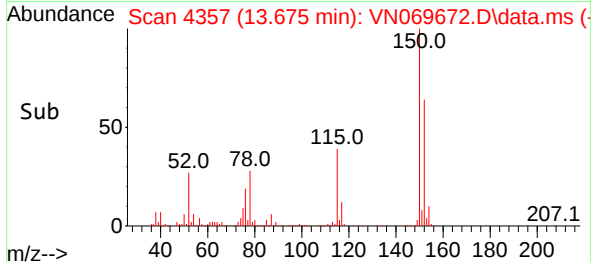
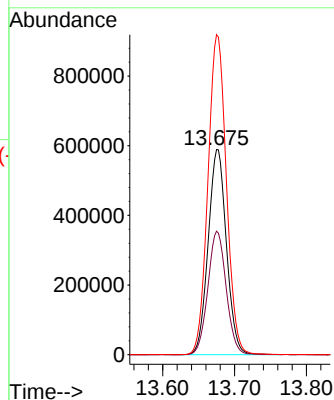
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 1041938

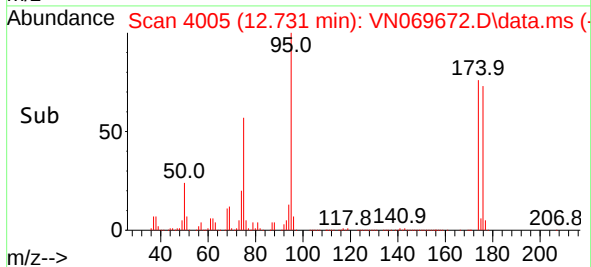
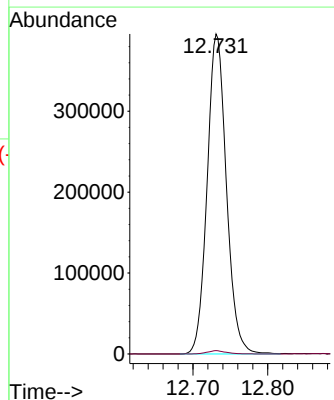
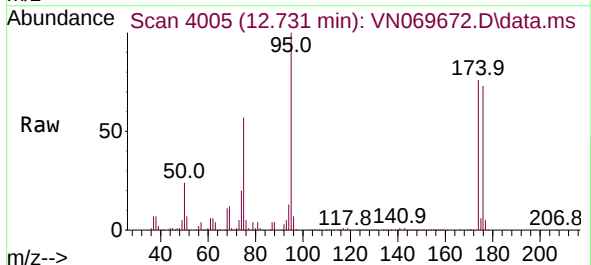
Ion	Ratio	Lower	Upper
152	100		
115	60.4	27.5	82.5
150	157.3	0.0	344.4

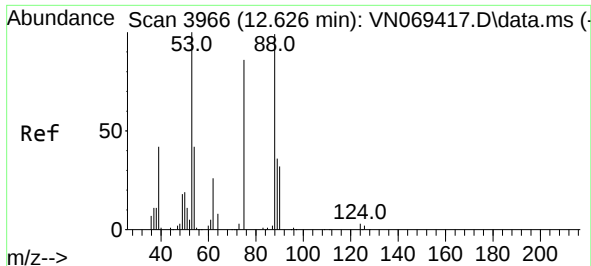


#76
 1,2,3-Trichloropropane
 Concen: 29.416 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43

Tgt Ion: 75 Resp: 707324

Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

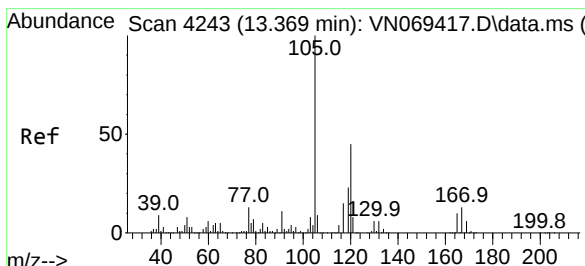
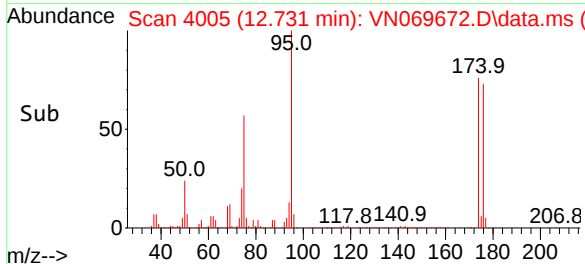
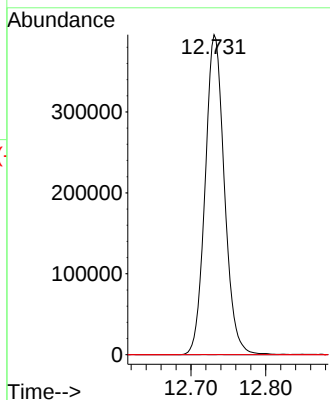
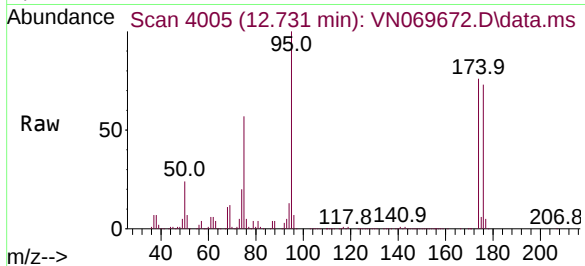




#81
trans-1,4-Dichloro-2-butene
Concen: 83.214 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

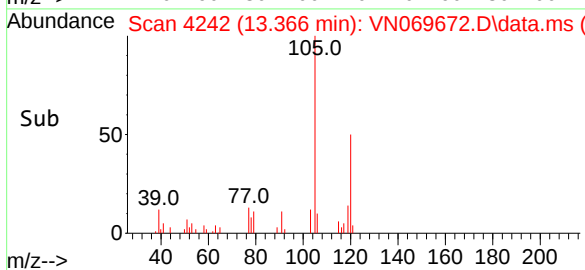
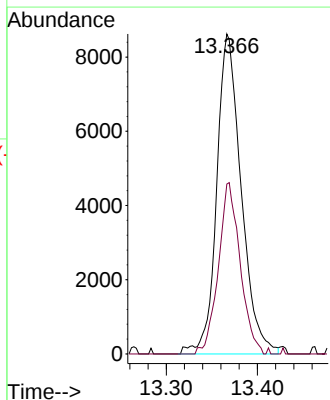
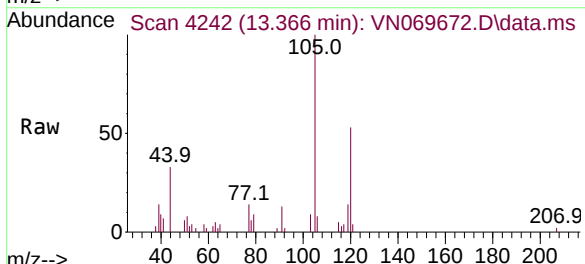
Instrument :
MSVOA_N
ClientSampleId :

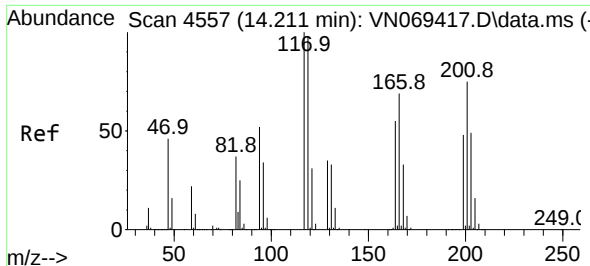
Tgt Ion: 75 Resp: 707324
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.249 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

Tgt Ion: 105 Resp: 16097
Ion Ratio Lower Upper
105 100
120 47.5 22.8 68.4

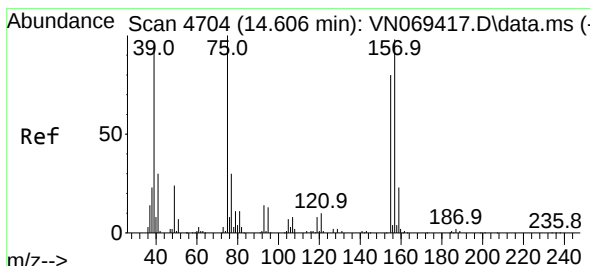
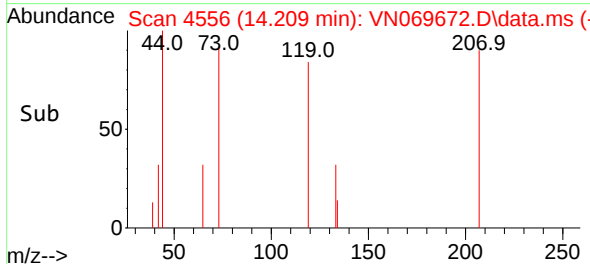
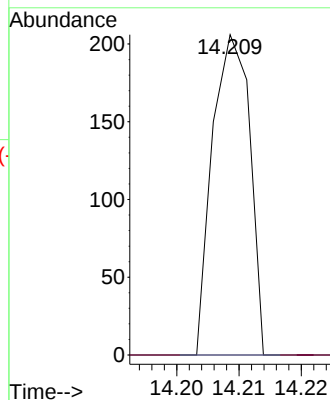
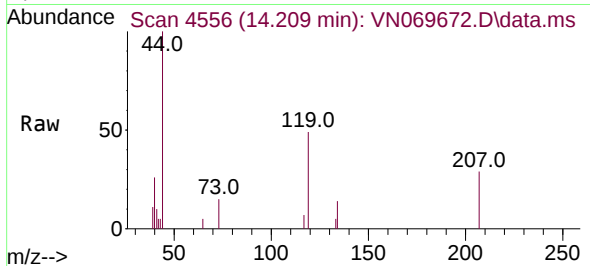




#90
Hexachloroethane
Concen: 2.169 ug/l
RT: 14.209 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

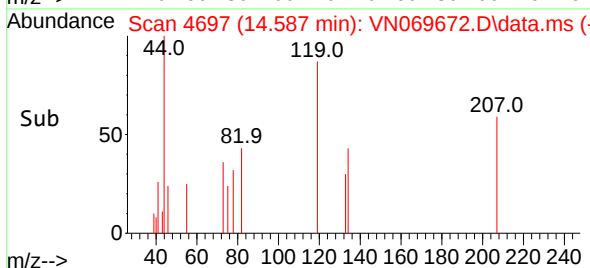
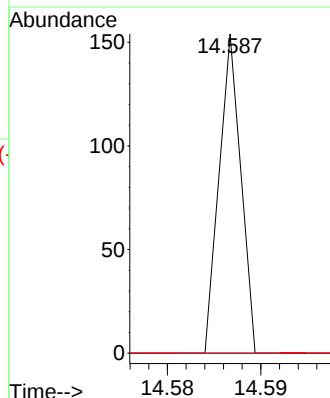
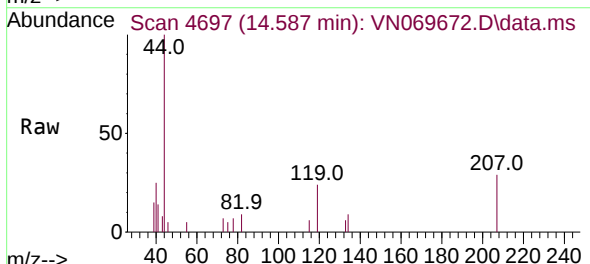
Instrument :
MSVOA_N
ClientSampleId :

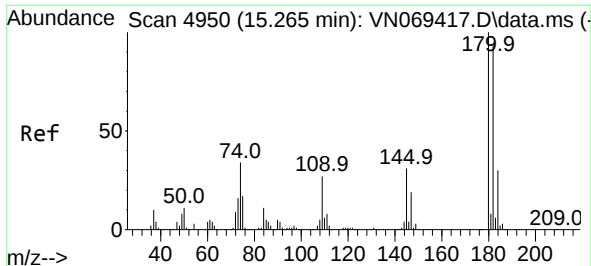
Tgt Ion:117 Resp: 86
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.802 ug/l
RT: 14.587 min Scan# 4697
Delta R.T. -0.019 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

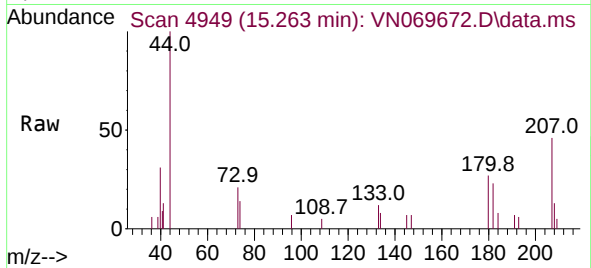
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
155 0.0 46.9 140.7#
157 0.0 60.6 181.7#



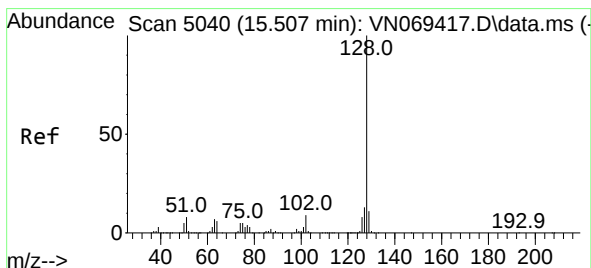
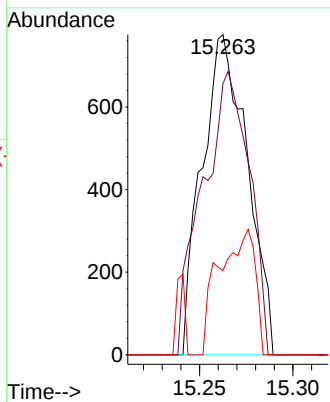
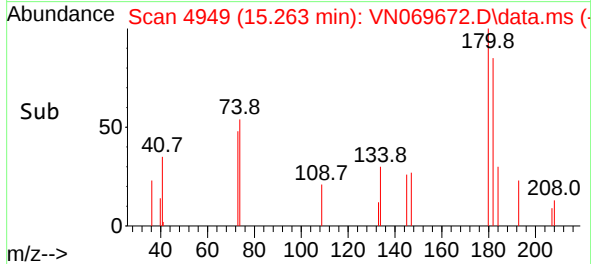


#93
1,2,4-Trichlorobenzene
Concen: 3.188 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43

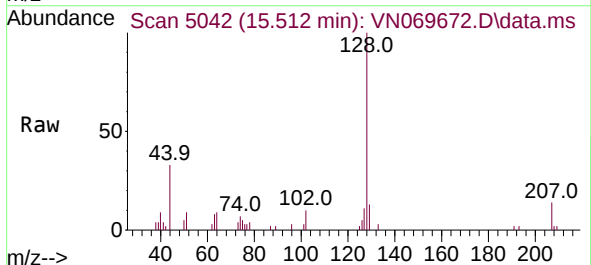
Instrument :
MSVOA_N
ClientSampleId :



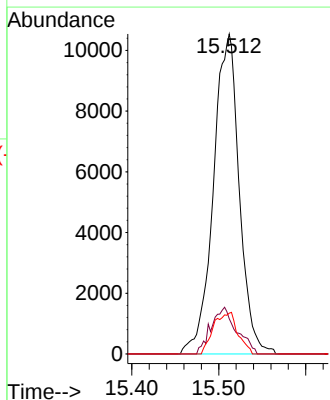
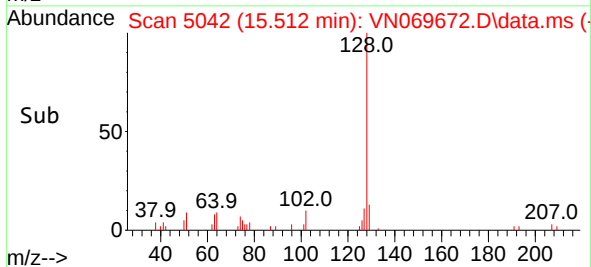
Tgt Ion:180 Resp: 1308
Ion Ratio Lower Upper
180 100
182 91.4 48.3 144.9
145 31.0 14.5 43.5

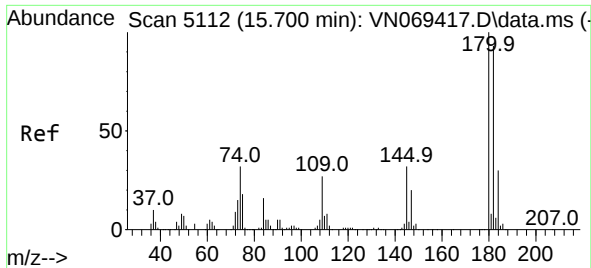


#95
Naphthalene
Concen: 4.881 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069672.D
Acq: 29 Nov 2021 18:43



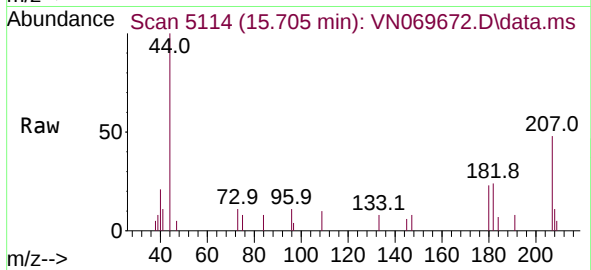
Tgt Ion:128 Resp: 21807
Ion Ratio Lower Upper
128 100
127 14.4 10.5 15.7
129 12.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.189 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.005 min
 Lab File: VN069672.D
 Acq: 29 Nov 2021 18:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	417.0	47.4	142.2#
145	69.3	15.0	45.1#

